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FULL ESTIMATED COST	0.21	0.21

FILE 'INSPEC' ENTERED AT 07:47:52 ON 25 JUL 2003
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 FILE COVERS 1969 TO DATE.

<<< SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
 THE BASIC INDEX >>>

=> s radiation hardening
 373465 RADIATION
 37653 HARDENING
 L1 4600 RADIATION HARDENING
 (RADIATION(W) HARDENING)

=> s deuterium
 L2 22893 DEUTERIUM

=> s vacuum anneal
 112377 VACUUM
 8131 ANNEAL
 L3 97 VACUUM ANNEAL
 (VACUUM(W) ANNEAL)

=> s l1 and l2 and l3
 L4 0 L1 AND L2 AND L3

=> s l2 and l3
 L5 1 L2 AND L3

=> d 15

L5 ANSWER 1 OF 1 INSPEC (C) 2003 IEE on STN

 Full Text 

AN 1986:2651524 INSPEC DN A86052230; B86026886
 TI Hydrogen in low-pressure chemical-vapor-deposited silicon (oxy)nitride
 films.
 AU Habraken, F.H.P.M.; Tijhaar, R.H.G.; van der Weg, W.F. (Dept. of Tech.
 Phys., Utrecht State Univ., Netherlands); Kuiper, A.E.T.; Willemsen,
 M.F.C.
 SO Journal of Applied Physics (15 Jan. 1986) vol.59, no.2, p.447-53. 30 refs.
 Price: CCCC 0021-8979/86/020447-07\$02.40
 CODEN: JAPIAU ISSN: 0021-8979
 DT Journal
 TC Experimental
 CY United States
 LA English

=> s l1 and l3
 L6 0 L1 AND L3

=> s 11 and 12
L7 7 L1 AND L2

=> d 17 l-7

L7 ANSWER 1 OF 7 INSPEC (C) 2003 IEE on STN

Full Text

AN 2003:7671134 INSPEC DN A2003-15-4281-021; B2003-08-4125-038
TI Radiation-induced absorption in optical fibers in the near-infrared region: the effect of H₂- and D₂-loading.
AU Zabezhailov, M.O.; Tomashuk, A.L.; Nikolin, I.V.; Golant, K.M. (Fiber Opt. Res. Center, Moscow, Russia)
SO RADECS 2001. 2001 6th European Conference on Radiation and Its Effects on Components and Systems (Cat. No.01TH8605)
Piscataway, NJ, USA: IEEE, 2002. p.192-4 of xviii+504 pp. 10 refs. Also available on CD-ROM in PDF format
Conference: Grenoble, France, 10-14 Sept 2001
Price: CCCC 0-7803-7313-8/01/\$17.00
ISBN: 0-7803-7313-8
DT Conference Article
TC Experimental
CY United States
LA English

L7 ANSWER 2 OF 7 INSPEC (C) 2003 IEE on STN

Full Text

AN 2003:7671126 INSPEC DN A2003-15-4281-020; B2003-08-4125-035
TI **Radiation hardening** of pure silica optical fibres by high pressure hydrogen treatment.
AU Henschel, H.; Kohn, O.; Weinand, U. (Fraunhofer-INT, Euskirchen, Germany)
SO RADECS 2001. 2001 6th European Conference on Radiation and Its Effects on Components and Systems (Cat. No.01TH8605)
Piscataway, NJ, USA: IEEE, 2002. p.141-9 of xviii+504 pp. 10 refs. Also available on CD-ROM in PDF format
Conference: Grenoble, France, 10-14 Sept 2001
Price: CCCC 0-7803-7313-8/01/\$17.00
ISBN: 0-7803-7313-8
DT Conference Article
TC Experimental
CY United States
LA English

L7 ANSWER 3 OF 7 INSPEC (C) 2003 IEE on STN

Full Text

AN 2002:7428896 INSPEC DN A2002-23-4281-038; B2002-12-4125-043
TI **Radiation hardening** of pure silica optical fibers by high-pressure hydrogen treatment.
AU Henschel, H.; Kohn, O.; Weinand, U. (Fraunhofer-INT, Euskirchen, Germany)
SO IEEE Transactions on Nuclear Science (June 2002) vol.49, no.3, pt.3, p.1401-9. 10 refs.
Doc. No.: S0018-9499(02)05820-3
Published by: IEEE
Price: CCCC 0018-9499/02/\$17.00
CODEN: IETNAE ISSN: 0018-9499
SICI: 0018-9499(200206)49:3:3L.1401:RHPS;1-J
Conference: Sixth European Conference on Radiation and its Effects on Components and Systems (RADECS). Grenoble, France, 10-14 Sept 2001
DT Conference Article; Journal
TC Practical; Experimental
CY United States

LA English

L7 ANSWER 4 OF 7 INSPEC (C) 2003 IEE on STN

FULL **TEXT**

AN 1990:3692772 INSPEC DN A90109266
 TI Materials development for fusion reactors.
 AU English, C.A.; Mazey, D.J. (AEA Technol., Harwell Lab., UK)
 SO Nuclear Energy (Feb. 1990) vol.29, no.1, p.67-80. 58 refs.
 Price: CCCC 0140-4067/90/\$4.00
 CODEN: NUEGAH ISSN: 0140-4067
 DT Journal
 TC Bibliography; Practical; Experimental
 CY United Kingdom
 LA English

L7 ANSWER 5 OF 7 INSPEC (C) 2003 IEE on STN

FULL **TEXT**

AN 1990:3582824 INSPEC DN B90021893
 TI The effect of hydrogen on hot carrier and radiation immunity of MOS devices.
 AU Nissan-Cohen, Y. (Gen. Electr. Corp. Res. & Dev., Schenectady, NY, USA)
 SO Applied Surface Science (Oct. 1989) vol.39, no.1-4, p.511-22. 6 refs.
 Price: CCCC 0169-4332/89/\$03.50
 CODEN: ASUSEE ISSN: 0169-4332
 Conference: Sixth International Conference on Insulating Films on Semiconductors INFOS'89. Garching, West Germany, 29-31 March 1989
 DT Conference Article; Journal
 TC Experimental
 CY Netherlands
 LA English

L7 ANSWER 6 OF 7 INSPEC (C) 2003 IEE on STN

FULL **TEXT**

AN 1987:2932109 INSPEC DN A87082844; B87046546
 TI Photobleaching effect of radiation resistant image fibers.
 AU Hayashi, S.; Wada, Y.; Chigusa, Y.; Fujiwara, K.; Hattori, Y. (Div. of Eng. Technol. Dev., Tokai Works, Sumitomo Electr. Ind. Ltd., Ibaraki, Japan)
 SO Sumitomo Electric Technical Review (Jan. 1987) no.26, p.77-81. 1 refs.
 CODEN: SETRAY ISSN: 0376-1207
 DT Journal
 TC Experimental
 CY Japan
 LA English

L7 ANSWER 7 OF 7 INSPEC (C) 2003 IEE on STN

FULL **TEXT**

AN 1984:2345352 INSPEC DN A84111849
 TI Critical issues in **radiation hardening** of fusion diagnostic systems.
 AU Baur, J.F.; Barker, R.A.; Engholm, B.A.; Miller, P.H. (GA Technol. Inc., San Diego, CA, USA)
 SO 10th Symposium on Fusion Engineering Proceedings (Cat. No. 83CH1916-6 NPS) New York, NY, USA: IEEE, 1983. p.411 vol.1 of 2 vol. xxiv+2158 pp.
 Conference: Philadelphia, PA, USA, 5-9 Dec 1983
 Sponsor(s): IEEE; Princeton Plasma Phys. Lab.; US DOE; EPRI; ANS
 DT Conference Article
 TC Practical
 CY United States
 LA English

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